BRUHATH BENGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

Agreement No. EE (Project)/AE/ Nu/CR/2018-19 Date :03/07/2019
Work Order No. EE (Project)/Yak Zone/Wes/CR/2018-19 Date :03/07/2019
Job Code / Indent No : 1003 20 000037

NAME OF WORK : Comprehensive Development works in ward no. 01 Attur

Name of Agency: Sri. B B Umesh (M/s SMLF Asphalts)

Modified Schedule B

Item No	Description of Item	unit	Rate Quoted by Contractor in Approved Rates for B B UMESHA		
			Qty	Rate	
1	KSHRB Misc 14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to approx trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections and transportation with a lead of 1.00 km and complete as per specifications MoRTH Specificatio MoRTH Specification No 3011 oading and unloading with 10km lead (I No 19.11.1 No 1411)	Cum	1,108.71	72.51	
	Quantity Up to 115%	Cum	1031.33	72.51	Seventy Two Rupees And Fifty One Paise Only
	Quantity Above 115%	Cum	771.49	72.51	Seventy Two Rupees And Fifty One Paise Only
2	KSHRB 400.2 Providing, laying, spreading and compacting specified graded, gravel or any other coarse materail 60% and crushed stone aggregates of granite/ trap/ basalt 40% in sub base course, chose grading I including premixing the materail at OMC in mechanical mixer (Pug mill), carriage of mixed material, spreading in uniform layers with motor grader on a prepared base and compacting with power roller to achieve the desired including all materials, labour, HOM lighting, guarding, barricading and maintenace of diversion complete as per specifications. MoRTH Chapter 20 Pg-1511 No-20.3	Cum	1,577.96	1,415.10	
	Quantity Up to 125%	Cum	1577.96	1,415.10	One Thousand Four Hundred Fifteen Rupees And Ten Paisa Only
	Quantity Above 125%	Cum	0.00	1,415.10	One Thousand Four Hundred Fifteen Rupees And Ten Paisa Only

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3	KSRRB Item-18. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, 1818M complete as per specifications.(I No-19.64,P No-147)	Sqm	10,819.39	6.68	
	Quantity Up to 125%	Cum	10819.39	6.68	Six Rupees And Sixty Eight Paisa Only
	Quantity Above 125%	Cum	0.00	6.68	Six Rupees And Sixty Eight Paisa Only
4	Construction of granular sub base Grading V as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	3,847.62	2,094.47	
	Quantity Up to 125%	Cum	2424.81	2094.47	Two Thousand Ninety Four Rupees And Forty Seven Paisa Only
	Quantity Above 125%	Cum	1422.81	2094.47	Two Thousand Ninety Four Rupees And Forty Seven Paisa Only
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	2337.71	5692.45	
	Quantity Up to 125%	Cum	1818.61	5692.45	Five Thousand Six Hundred Ninety Two Rupees And Forty Five Paisa Only
	Quantity Above 125%	Cum	519.10	5692.45	Five Thousand Six Hundred Ninety Two Rupees And Forty Five Paisa Only

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6	Constructing un-reinforced plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69 cum,fine aggregates @ 0.46 cum,coarse and fine aggregate conforming to IS 383:2016 with Superplasticizer @ 3 lts conforming to IS 9103:2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design,laid in approved fixed side form work (steel channel,laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Speration the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a construction and longitudinal joints including ensure curing	Cum	2259.12	5574.21	
	Quantity Up to 125%	Cum	1818.61	5574.21	Five Thousand Five Hundred Seventy Four Rupees And Twenty One Paisa Only
	Quantity Above 125%	Cum	440.71	5574.21	Five Thousand Five Hundred Seventy Four Rupees And Twenty One Paisa Only
7	KSRRB 800 .Providing and erecting direction and place identification retro -reflected sign as per IRC:67 made of high intensity grade sheeting .2mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75*75*6 mm,2Nos firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45*45*60 cm,60cm below ground level as per approved	Sqm	9.00	7934.93	Seven Thousand Nine Hundred Thirty Four Rupees And Ninety Three Paisa Only
8	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floting disc including cost of generator,HOM of machinery , screed Vibratory ,power floater,blade and disc etc,with all lead and lift. Item No. 22.7 P.No.-176	Sqm	4542.42	75.68	Seventy Five Rupees And Sixty Eight Paisa Only
9	KSRRB 200-13. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P-138 , I.no 18.13).	Ha	1.56	86202.54	Eighty Six Thousand Two Hundred Two Rupees And Fifty Four Paisa Only
10	KSRRB M300-53 Construction of embankment with approved materials Gravel/Murrum with all lift and leads, transportation to site,Spreading, grading to required slope and compacting to meet requirement of Table 300-2 complete asper specifications. Which includes cost of Gravel/Murrum , watering charges & compaction by vibratory roller to 95% of modified proctors density) MORTH Specification No.305 , Item No.19.60 ,Page No. - 147	Cum	6460.36	361.69	Three Hundred Sixty One Rupees And Sixty Nine Paisa Only

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			Cum	3330.18	3786.07	Three Thousand Seven Hundred Eighty Six Rupees And Seven Paisa Only
12	KSRBD Mod0.1 Providing and Constructing dry lean concrete mix CC 1:4:8 base with OPC @180kgs ,25mm and down size graded granite metal coarse aggregate at 0.83 cum and fine aggregate @0.83 cum over a prepared sub base course and fine aggregate confirming to IS 383:2016,aggregate cement ratio not to exceed 13:1,Aggregate content to be lie less than 60Mpa at 7 days , mixed in a batching plant,transported to site and with a paver,compacting with 8-10 tonnes vibratory roller,finishing and curing complete as per specifications (Ijase 301 of MORTH V Revision and IS 456 Table -5 Item No 17.3),Page No.-173	Sqm	2154.53	1235.31	One Thousand Two Hundred Thirty Five Rupees And Thirty One Paisa Only
E1	Removing and Refixing stone slabs of drains and pointing in CM(1:3) with all lead and lift and as per the direction of Engineer in charge	Sqm	698.76	116.85	One Hundred Sixteen Rupees And Eighty Five Paisa Only
E2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P No-143, I No-19.1)	Cum	670.47	226.02	Two Hundred Twenty Six Rupees And Two Paisa Only
E3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 400 kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200, including cost of materials, labour, HOM complete as per specifications. Page No 270, Item No.37.59.1	Cum	47.82	7636.68	Seven Thousand Six Hundred Thirty Six Rupees And Sixty Eight Paisa Only
E4	KSRRB M 2200.6 Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19	Tonne	3.36	75936.10	Seventy Two Thousand Three Hundred Twenty Six Rupees And Ninety Eight Paisa Only

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E7	Providing granite slabs of selected quality roughly dressed having a size of 2.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete with all lead and tin and as per the direction of Engineer in charge.	Sqm	163.84	779.03	Seven Hundred Seventy Nine Rupees And Three Paise Only
E6	KSRB 3.2.1. Providing and constructing granite / trap / basalt size stone masonary in foundation with cement mortar , stone hammered dressed in course not less than 20 cms high, bond stones at 2m. Apart in each course including cost materials , labours , curing complete as per specifications. KBS 5.1.13 , cement mortar 1:6 KBS 5.1.13 (P.No.25, I.No.5.6)	Cum	108.00	4114.86	Five Thousand One Hundred Fourteen Rupees And Eighty Six Paise Only
E7	KSRB 4-1.6. Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC at 240kgs, with 20mm and down size granite metal coarse aggregates at 0.878 cum and fine aggregates at 0.53cum , mechine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted in foundation , plinth and cills, including cost of materials, labours, HOM curing complete as per specifications.specifications No. KBS 4.1.4.2 (P.No.13, I.No4.6)	Cum	87.57	6034.11	Six Thousand Thirty Four Rupees And Eleven Paise Only
E8	KSRB 5-14. providing and constructing load bearing wall with solid concrete blocks of size 400mm*150mm*200mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00N/mm2 confirming to IS 2185(part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of materials , labour charges , scaffolding, curing, complete as per specifications. KBS No.5.4 I.No.5.26.2, page no27	Sqm	517.60	1028.31	One Thousand Twenty Eight Rupees And Thirty One Paisa Only
E9	Providing and Fixing RCC pre cast covering Slab of 100mm thick for drains in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforecement , including form work, lift charges, curing and concrete finishined surfaces on both side etc., complete as per drawing and the directions of Engineer in-charge.(Date rate)	Sqm	866.40	2453.62	Two Thousand Four Hundred Fifty Three Rupees And Sixty Two Paisa Only
E10	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	210.00	5688.36	Five Thousand Six Hundred Eighty Eight Rupees And Thirty Six Paisa Only
E11	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete	No's	2073.00	454.06	Four Hundred Fifty Four Rupees And Six Paisa Only

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	Sqm	111.70	89.63	Eighty Nine Rupees And Three Paise Only
	Cum	939.60	2101.14	Two Thousand One Hundred One Rupees And Fourteen Paisa Only
	Sqm	4176.00	30.05	Thirty Rupees And Five Paisa Only
	Sqm	4176.00	13.35	Thirteen Rupees And Thirty Five Paisa Only
	Cum	208.80	6926.65	Six Thousand Nine Hundred Twenty Six Rupees And Sixty Five Paisa Only
	Cum	167.04	8140.82	Eight Thousand One Hundred Forty Rupees And Eighty Two Paisa Only

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E18	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications with all lead and lift and as per the direction of Engineer in charge.	Sqm	192.13	477.43	Four Hundred Seventy Seven Rupees And Forty Three Paisa Only
E19	KSRB 2-2.1 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 page no 6 item no 2.3	Cum	31.20	414.10	Four Hundred Fourteen Rupees And Ten Paisa Only
E20	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the	Sqm	156.00	9600.43	Nine Thousand Six Hundred Rupees And Forty Three Paisa Only
E21	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c . as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq, GI Pipe, GI Forged desiens etc, heavy duty hinges	Sqm	8.00	13097.53	Thirteen Thousand Ninety Seven Rupees And Fifty Three Paisa Only

Signature of the Contractor

Executive Engineer
Project Division Yelahanka
B.B.M.P , Banglore

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